

METHOD AND APPARATUS FOR BLOW-MOLDING AN ARTICLE
HAVING A SOLID RADially OUTWARDLY PROJECTING FLANGE

ABSTRACT OF THE DISCLOSURE

A solid outwardly projecting flange is formed on the side wall of a blow-molded
5 article by providing a blow mold having a circumferential groove that is filled by
flowable thermoplastic during a blow cycle. The mold includes a heating system locally
disposed adjacent the groove for heating the walls of the groove so as to heat the
thermoplastic in this region, thereby reducing the viscosity of the thermoplastic so that it
more-readily flows into and completely fills the groove. The mold can also include a
10 cooling system disposed locally adjacent the groove for cooling the flange of the blow-
molded article prior to ejection of the article from the mold.

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